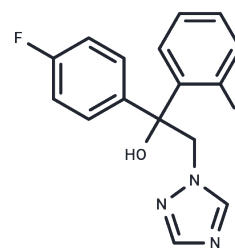


Flutriafol

Chemical Properties

CAS No. :	76674-21-0
Formula:	C ₁₆ H ₁₃ F ₂ N ₃ O
Molecular Weight:	301.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Flutriafol is a pesticide, demethylation inhibitor, and NMDA receptor agonist
Targets(IC50)	NMDAR,Antifungal

Solubility Information

Solubility	DMSO: 22.5 mg/mL (74.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3191 mL	16.5953 mL	33.1906 mL
5 mM	0.6638 mL	3.3191 mL	6.6381 mL
10 mM	0.3319 mL	1.6595 mL	3.3191 mL
50 mM	0.0664 mL	0.3319 mL	0.6638 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhang Q , Hua X , Yang Y , et al. Stereoselective degradation of flutriafol and tebuconazole in grape[J]. Environmental Science & Pollution Research, 2015, 22(6):4350-4358.

Zhang Q , Hua X D , Shi H Y , et al. Enantioselective bioactivity, acute toxicity and dissipation in vegetables of the chiral triazole fungicide flutriafol[J]. Journal of Hazardous Materials, 2015, 284(mar.2):65-72.

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